

ABSTRACT OF THE DISCLOSURE

A roller insert for a conveyor roller tube including a cartridge having inner and outer ends and configured to be inserted into an end of a conveyor roller tube; a stub axle positioned within the cartridge, the stub axle including an elongate body portion, a cylindrical tip portion extending away from the body portion, and an end cap having distal and proximal ends and a hardness less than that of the tip portion, the end cap threadingly secured on the cylindrical tip portion; and at least one bearing mounted within the cartridge and supporting the axle such that the cartridge is rotatable with respect to the axle and the axle is slidable with respect to the bearing; wherein the axle is biased outwardly from the cartridge such that the end cap projects outwardly from the cartridge outer end. A conveyor roller and an axle for a conveyor roller are also provided.

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